

9 fourth instructions, executable by the processor, for estimating change in the vehicle's  
10 velocity as a result of a collision based on the damaged vehicle components  
11 information.

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cont

1 56. A computer system comprising:  
2 a processor;  
3 computer readable medium coupled to the processor;  
4 first computer code, encoded in the computer readable medium and executable by the  
5 processor, for generating a first graphical user interface, wherein the first  
6 graphical user interface includes a first screen object representing a vehicle, a  
7 second screen object having data entry fields to allow entry of damaged  
8 vehicle components and repair/replace estimate information;  
9 second computer code, encoded in the computer readable medium and executable by  
10 the processor, for generating a second graphical user interface, wherein the  
11 second graphical user interface includes a third screen object representing the  
12 vehicle, and a fourth screen object having data entry fields to allow entry of  
13 damaged vehicle components and visual damage information;  
14 third computer code, encoded in the computer readable medium and executable by the  
15 processor, for rating damage severity of each vehicle component according to a  
16 set of predetermined rules;  
17 fourth computer code, encoded in the computer readable medium and executable by  
18 the processor, to determine an overall damage rating for the vehicle based on  
19 rated damage to the vehicle components; and  
20 fifth computer code, encoded in the computer readable medium and executable by the  
21 processor, to compare the overall damage rating for the vehicle to a crash test  
22 vehicle having an overall rating based on component damage ratings in  
23 accordance with the set of rules; and  
24 sixth computer code, encoded in the computer readable medium and executable by the  
25 processor, for estimating change in the vehicle's velocity as a result of a  
26 collision, the change in the vehicle's velocity being based on the damaged  
27 vehicle components and the component damage ratings.

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1 57. A computer-implemented method for estimating the change in velocity of a  
2 vehicle as a result of a collision, the method comprising:  
3 (a) acquiring information regarding damaged components of at least one vehicle;